

State of California - The Resources Agency  
Department of Fish and Game  
Marine Resources Region  
Long Beach, California

INSHORE FISHERIES HABITAT EVALUATION AND MONITORING PROGRAM  
CRUISE REPORT 71-KB-1

Prepared by Daniel Gotshall

Vessel: KELP BASS

Date: March 19, 1971.

Locality: Sunset and Seal Beach areas.

Purpose: To conduct ecological studies prior to dredging and beach enhancement operations:

1. To estimate the number and diversity of animals and plant life at each station (arc method).
2. Describe the physical conditions including substrate type and water temperatures and clarity.
3. Collect bottom samples at each station to determine presence and diversity of small benthic epifauna and infauna, not observed by divers.
4. Conduct vertical plankton tows.
5. Take photographs to provide a permanent visual record.

Operations: Scuba divers conducted arc type surveys to enumerate plants and animals and determine physical characteristics of environment prior to dredging operations. In addition, benthic samples were obtained with a pohnar grab and vertical plankton hauls were made with a 18 cm diameter plankton net with 62-micron mesh.

Results: Two stations were occupied, one up coast from the Seal Beach pier and one down coast. Both stations were in 15 feet. Underwater visibility ranged from 1 to 5 feet on the bottom to 10 feet on the surface.

Polychaetes were the dominant animals observed in the arc. The benthic samples have not been completely analyzed.

Personnel: M. Mazarovich, Vessel Captain  
D. Gotshall, Biologist  
R. Hardy, Biologist  
M. Gillis, Seasonal Aid  
R. Wallace, Seasonal Aid  
W. Boggs, U.S.N. Operations Transition

